

Hit Summary Sheet
SW-846

SDG No.: Q1235
Client: RU2 Engineering, LLC

Order ID: Q1235
Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-51.2-012925								
Q1235-03	JPP-51.2-012925	SOIL	Aluminum	6010		2.54	5.26	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Arsenic	4.07		0.31	1.05	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Barium	55.0		0.67	5.26	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Beryllium	0.41		0.013	0.32	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Cadmium	0.45		0.017	0.32	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Calcium	39200		2.95	105	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Chromium	21.5		0.057	0.53	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Cobalt	6.16		0.061	1.58	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Copper	34.3		0.50	1.05	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Iron	10600		2.83	5.26	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Lead	54.7		0.16	0.63	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Magnesium	6820		3.61	105	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Manganese	198		0.075	1.05	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Mercury	0.13		0.0070	0.015	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Nickel	19.9		0.095	2.10	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Potassium	1140		30.2	105	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Sodium	446		38.0	105	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Vanadium	19.6		0.28	2.10	mg/Kg
Q1235-03	JPP-51.2-012925	SOIL	Zinc	76.6		0.12	2.10	mg/Kg
Client ID : JPP-16.1-012925								
Q1235-07	JPP-16.1-012925	SOIL	Aluminum	4460		2.21	4.59	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Antimony	0.90	J	0.14	2.30	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Arsenic	4.60		0.27	0.92	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Barium	80.4		0.59	4.59	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Beryllium	0.34		0.011	0.28	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Cadmium	0.44		0.015	0.28	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Calcium	28600		2.57	91.9	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Chromium	13.0		0.050	0.46	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Cobalt	4.72		0.053	1.38	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Copper	72.0		0.43	0.92	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Iron	9910		2.47	4.59	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Lead	184		0.14	0.55	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Magnesium	7860		3.15	91.9	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Manganese	156		0.065	0.92	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Mercury	0.31		0.0060	0.014	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Nickel	15.4		0.083	1.84	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Potassium	1160		26.4	91.9	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1235

Order ID: Q1235

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1235-07	JPP-16.1-012925	SOIL	Silver	0.068	J	0.048	0.46	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Sodium	1180		33.2	91.9	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Vanadium	18.0		0.25	1.84	mg/Kg
Q1235-07	JPP-16.1-012925	SOIL	Zinc	117		0.10	1.84	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6010		1	2.54	5.26	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-36-0	Antimony	2.63	UN	1	0.16	2.63	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-38-2	Arsenic	4.07		1	0.31	1.05	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-39-3	Barium	55.0		1	0.67	5.26	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-41-7	Beryllium	0.41		1	0.013	0.32	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-43-9	Cadmium	0.45		1	0.017	0.32	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-70-2	Calcium	39200		1	2.95	105	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-47-3	Chromium	21.5		1	0.057	0.53	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-48-4	Cobalt	6.16		1	0.061	1.58	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-50-8	Copper	34.3		1	0.50	1.05	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7439-89-6	Iron	10600		1	2.83	5.26	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7439-92-1	Lead	54.7	N	1	0.16	0.63	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7439-95-4	Magnesium	6820		1	3.61	105	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7439-96-5	Manganese	198		1	0.075	1.05	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7439-97-6	Mercury	0.13		1	0.0070	0.015	mg/Kg	01/30/25 16:50	01/31/25 14:12	SW7471B	
7440-02-0	Nickel	19.9		1	0.095	2.10	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-09-7	Potassium	1140	N	1	30.2	105	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7782-49-2	Selenium	1.05	U	1	0.35	1.05	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-22-4	Silver	0.53	U	1	0.055	0.53	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-23-5	Sodium	446		1	38.0	105	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-28-0	Thallium	2.10	U	1	0.46	2.10	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-62-2	Vanadium	19.6	N	1	0.28	2.10	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050
7440-66-6	Zinc	76.6		1	0.12	2.10	mg/Kg	01/30/25 15:10	01/31/25 13:44	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4460		1	2.21	4.59	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-36-0	Antimony	0.90	JN	1	0.14	2.30	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-38-2	Arsenic	4.60		1	0.27	0.92	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-39-3	Barium	80.4		1	0.59	4.59	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-41-7	Beryllium	0.34		1	0.011	0.28	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-43-9	Cadmium	0.44		1	0.015	0.28	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-70-2	Calcium	28600		1	2.57	91.9	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-47-3	Chromium	13.0		1	0.050	0.46	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-48-4	Cobalt	4.72		1	0.053	1.38	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-50-8	Copper	72.0		1	0.43	0.92	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7439-89-6	Iron	9910		1	2.47	4.59	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7439-92-1	Lead	184	N	1	0.14	0.55	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7439-95-4	Magnesium	7860		1	3.15	91.9	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7439-96-5	Manganese	156		1	0.065	0.92	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7439-97-6	Mercury	0.31		1	0.0060	0.014	mg/Kg	01/30/25 16:50	01/31/25 14:19	SW7471B	
7440-02-0	Nickel	15.4		1	0.083	1.84	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-09-7	Potassium	1160	N	1	26.4	91.9	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7782-49-2	Selenium	0.92	U	1	0.30	0.92	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-22-4	Silver	0.068	J	1	0.048	0.46	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-23-5	Sodium	1180		1	33.2	91.9	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-28-0	Thallium	1.84	U	1	0.40	1.84	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-62-2	Vanadium	18.0	N	1	0.25	1.84	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050
7440-66-6	Zinc	117		1	0.10	1.84	mg/Kg	01/30/25 15:10	01/31/25 13:48	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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 LOQ = Limit of Quantitation
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q1235	OrderDate:	1/30/2025 12:15:00 PM
Client:	RU2 Engineering, LLC	Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	Location:	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1235-03	JPP-51.2-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	
Q1235-07	JPP-16.1-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	